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# U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

JAN 7.7919

# FIELD NOTES

MAY 10.1919

OF

HOMESTEAD ENTRY SURVEY NO. 511

**新紀 15 1920** MAY 15 1920

SITUATED IN THE

TUSAYAN

NATIONAL FOREST

### ADMINISTRATIVE DISTRICT NO. 3

In Section 5, unsurveyed, Township 29 N., Range 6 E. In Section 6, unsurveyed, Township 29 N., Range 6 E. In Section 31, unsurveyed, Township 30 N., Range 6 E. In Section 32, unsurveyed, Township 30 N., Range 6 E. (T 29 N R 6 E is partly surveyed and accepted)

of the

Gila and Salt River Base and Meridian.

State of ARIZONA

Applicant for listing George Wilson,

Residence

Grand Canyon, Arizona

Application No. 515

, dated December 15 , 1915

List No.

, dated

, 19

Applicant for survey George Wilson,

Residence

Grand Canyon, Arizona

H. E. No, Office , dated

, 19

Land District

Phoenix, Arizona

Survey executed by R. P. A. Johnson,

Surveyor - Draftsman
[Forest Service Title.]

Under special instructions dated

March 10

, 1917

Survey commenced

October 6

, 1917

Survey completed

October 6

, 1917

8-2349

Under Acts of June 11, 1906 and March 4, 1917

[OVER]

OATH OF ASSISTANTS
We hereby certify that we assisted T. P. Shmoon in curreying all those
Surveyor fragusman in surveying all most
[Forest Service Title.]
parts or portions of Homestead Entry Survey No. 5//, in the State of Anna which are represented in the following field notes
as having been surveyed by him and under his direction; and that said
survey has been in all respects, to the best of our knowledge and
belief. well and faithfully surveyed, and the corner monuments estab-
lished, according to the instructions furnished by the United States
Surveyor General for Angona
AP
Note: It would have been has / Chuisen Chainman
very expensive and incon-
venient to appear before an
Officer to administer oaths
to Assistants; nence, they
were taken by the Surveyor.
The second of the second of the second secon
Subscribed and sworn to before me this eleventhy day of
Calober, 19/7. Al Stroon
Schoeyor Shafternan
OATH OF SURVEYOR
I, P.P. Johnson, Surveyor Drafisman
I, P.P. Johnson, Surveyor Drafisman [Forest Service Title.]
do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for America, dated
Harch 10, 19/7, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land embraced in
Application , No. 515 , dated December 15, 1915 , for
not and under the Act of Aune! 1906.
the same to be known as Homestead Entry Survey No. 511, situated within the angan National Forest, in
situated within the wayan National Forest, in wasurveyed Section 31, Township 30N, Range 6E, and
Unsurveyed Section 32 , Township 30N , Range 6E , Unsurveyed Section 5 Township 29N , Range 6E , Unsurveyed Section 6 Township 29N , Range 6E
of the Gela and Sack Giver Bose and meridian, Armona, and the
related retracements and resurveys and section subdivisions, which are represented in the following field notes as having been surveyed by me;
and I further solemnly swear that all the corners of said survey have
been established and perpetuated in strict accordance with the stated
special instructions, and in the specific manner described in the field
notes, and that the following are the original field notes of such
survey.
MANohmon
Gerroey or Wastonna
$\rho \cdot (a)$
Subscribed and sworn to before me this fefteenth day of
February, 1918.
- 1 2 m. ll 1-1
Other M. Vulchall
SEAL. P. LO:
Course of the second of the se

### TUSAYAN NATIONAL FOREST

### STATE OF ARIZONA

Chains

· bett

+, 14

Applicant for listing, George Wilson; Application No. 515, dated December 15, 1915.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 10, 1917 and designated as Homestead Entry Survey No. 511.

Situated in what will probably be, when surveyed, Secs. 31 and 32, T. 30 N., R. 6 E., and in unsurveyed Secs. 5 and 6, T. 29 N., R. 6 E., (Partly surveyed and accepted), Gila and Salt River Base and Meridian, Tusayan National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1917 under the Cooperative Plan.

Survey commenced October 6, 1917 and executed with a Buff and Buff transit equipped with Smith Solar Attachcor., whence: ment.

I test the adjustments of the transit and make necessary corrections. I beditos .. tehb .ext 488

All'distances are horizontal; and were reduced from measurements made directly on the slope with a 500 link "steel tape: The slope angles were determined with a clinometer. H & bediros .. Jeib . EXI-VS.

October 6, 1917. S Bediros ... ... 08 I observe the altitude of the sun for azimuth at cor. No. 1 of this survey, hereinafter described. reading is set at zero and the meridian brought by sustained angulation from meridian established by Polaris observations on October 5, 1917 at cor. No. 1 of H. E. S. 469. The sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. Lat. 35° 56' 13" N., Long. 111° 47' 12" W., from Forest Service Base Map and U.S. G. S. San Francisco Mt. sheet.

. 2000

-08

Form St.

### TUSAYAN NATIONAL FOREST

### STATE OF ARIZONA TATE

: nosf Time rose . Horizontal Jagor Vertical and Telescope Chains Angle Angle 55° 36' 00" 8h. 41m. 05s. 310 12' 00" Direct Reversed 8h. 4lm. 50s. 56° 02' 00" 30° 47' 00" The two meridian differ 0° 01' 22" and to the mean of the two, all the courses of this survey are referred. situated in what will probably be, when surveyed,

# beveryusan at basoundaries of CIAIM .38 bas 13

5 and 6, T. 29 N., R. 6

Beginning at cor. No. 1.

'Also cor. No. 2 of H. E. S. 469.

Deposit a limestone 4 x 4 x 1 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 16 x 6 ins., chiseled + for the point, 1 = H E S 511 on NNE. face and 2 - H E S 469 on ESE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high ESE. of cor., whence:

vises oon end pinon, 10 ins. dia., bears S. 67° 10' W., 224 lks. dist., scribed 1 H E S 511 + B T.

-Lagrande Apinon, 8 ins. dia., bears S. 9° 35' W., -

203 lks. dist., scribed 1 H E S 511 + B T.

B nd w bon A pinon, 10 ins. dia., bears S. 41° 10' W.,

127 1ks. dist., scribed 2 H E S 469 + B T.

A pinon, 6 ins. dia., bears S. 28° 42' W.,

80 lks. dist., scribed 2 H E S 469 + B T.

Cor. for secs. 7, 8, 17 and 18, (Accepted),

T. 29 N., R. 6 E., which is a limestone 24 x 14 x 8 ins. in mound of stone, marked and witnessed as described by the Surveyor General, bears 'S. 4° 10' 17" E., 149.30 chs. dist., by

is set for local mean time.

traverse which appears at the end of these heat to etherboup their regge bas the

lat. 25° 56' 18" I

in the lower

Lat. 35° 56' 13" N., Long. 111° 47' 12" W.; from Forest Service Base Map and U.S. G. S. San Francisco Mt. sheet.

### TUSAYAN NATIONAL FOREST

STATE OF LHARIZONA ATS
Chains Mag. decl. at 8:00 a.m., 15° 00' E. Mean mag. decl.,
A pinon, 8 ins. dis., bears S 3 '75' '11, 60 lks.
.T & Thence N. 39° 58' W. H f bediros Jeib
Ascend 25 ft. along foot of NE. slope in timber and .
in place 56 x 36 x 12 ins. a. daurdegas, onis-
36.56 To jeor. No. 2. A H 244 ON M A & U + 5818
. At cor, of Fence. Fence bears N. 38° E. and S. 60° E.
Deposit a sandstone 2 x 2 x 2 ins. marked with a +, 14
ins. in the ground, over which set a sandstone 24 x 10
x 8 ins., chiseled + for the point and 2 - H E S 511 on
.E. face; and raise a mound of stone 3 ft. base, 2 ft.
high E. of cor., whence: Hee bas . WHM street book di.
.a ear Apinon, 16 ins. dia., bears S. 28° 04' W., se.ds
58 lks. dist., scribed 2 HES 511 + B T.
A pinon, 20 ins. dia., bears S. 62° 58' W., 99.93
63 lks, dist., scribed 2 H E S 511 + B T.
legecit o'limectone 6 x A x A ing. marked with 8 +, 14
21 x 25 Thence N: 38° 115' dE dw revo , basers edt ai .ani
rol + be Along fencedin open. ota regnol on) .ani Of x
13.70 Arreyo, 10 lks. wide, banks 1 ft. high, course SE.
Ascend 30 ft. to ridge in scattered timber.

3 . sald Ascend 30 ft. to ridge in scattered timber.

Fence cor., fence bears S. 60° E. Leave fence. 4.50

7.50 Top of ridge, bears NW, and SE. Descend 45 ft. to cor. in scattered timber. .....

22.08 To cor. No. 3. resed . . sib . ent Sl . nonig A Also cor. No. 1 of H. E. S. 449.

. Deposit a limestone 4 x 3 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 10 A x 6 ins., chiseled + for the point, 3 - H ES 511 on SSE. face and 1 - H E S 449 on NE. face; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:

> A pinon, 8 ins. dia., bears N. 9° 01' W., 169 1ks. dist.; scribed 1 H E S 449 3 H E S

### HOMESTEAD ENTRY SURVEY NO. 511

### TUSAYAN NATIONAL FOREST

STATE OF ARIZONA Chains ed . 3sm n 511 + B T.00 °CI .. T. s 00:8 ts . 10eb .geM .anisado A pinon, 8 ins. dia., bears S. 5° 40' W., 60 lks. dist., scribed 1 H E S 449 3 H E S 511 + B T. U. S. L. M. No. 449, which is a limestone boulder in place 36 x 36 x 12 ins. above ground, chiseled + U S L M No 449 H E S on top, with mound of stone 7 ft. base, 5 ft. high; bears S. 16° 41 .+ & fit w be 24 wenil 30 chs. dist. shas a liaoqed ins. in the ground, over which set a sendatone 24 x 10 Thence S. 78° 2600E di Tol + befesido .. est 8 x fil on . Descend 5 ft. across sagebrush flat to arroyo. Road bears NNW. and SSE: somedw .. Too to . I dain 3.15 25.92 Arroyo. 15 1ks. wide; banks 1 ft. high. course S. Ascend 10 ft. to cor. se .. teib . ext ad 29.97 To cor. No. 4. Stsed . Sib . Soi OS . nonig A Also cor. No. 4 of H. E. 8. 449. Deposit a limestone 6 x 4 x 4 ins. marked with a +, 14 ins. in the ground, over which set a limestone 22 x 12 x 10 ins. (no longer stone available), chiseled + for the point, 4 - HES 449 on NW. face and 4 - HES 511 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high NW. of cor., whence: one .. 100 one 00.4 A pinon, 6 ins. dia., bears N. 32° Ol' E., 165. 1ks. dist., scribed 4 H E S 511 + B T.

> A pinon, 12 ins. dia., bears S. 41° 26' E., 296 1ks. dist., scribed 4 H E S 511 + B T.

11 .+ B diw A pinon, 10 ins. dia., bears S. 53° 30' E., 230 Of x 4 enote on i lks. dist., scribed 4 H E S 449 + B T.

A pinon, 12 ins. dia., bears N., 32° 29' E., 164 basom s egist Diks. dist., scribed 4 H E S 449 + B T.

I-

Thence S. 12º 04 E. . . Sib . ent 8 . nonio A

Descend 25 ft. in open. . tarb .auf ear

of stone 3 ft. base. 2 ft. high NH. of cor., whence:

# I HOMESTEAD ENTRY SURVEY NO. 511

# TE TUSAYAN OIT NATIONAL FOREST

# STATE OF ARIZONA

		ARIZONA
-	27.00	Onains End not habitable, the SW. cor. of which bears Trail bears NW. and SE.  SO' H., 4.40 chs. dist. from cor. no. 2.  To cor. No. 5.
	40.42	On line 2-3 of H. E. S. 469.
-	tion.	ibno, roog ni esnet eriv to elim 1/1 ylotsmixorga Deposit a sandstone 4 x 3 x 2 ins. marked with a +, 14
	00	ins. in the ground, over which set a sandstone 24 x 12
-		
		x 5 ins., chiseled + for the point and 5 - HES 511 on
		NW. face. No witnesses available, therefore dig pits  11 ni 128 badd to rether ent raem seil miglo stat  24 x 24 x 12 ins. crosswise on claim lines 8 ft. dist.;  yletemizorgas to noitavale na te missa oninceo.
		and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ir reduit wol not warm nego at toart ent
	.W bns	Cor. No. 3 of H. E. S. 469, which is a limestone
	ro	elders one diges book to meal value at lice ent 12 x 6 x 10 ins. above ground, marked + on
		producing good erops.
		*top and 3 - H E S 469 on SW. face, bears S. 89° .esu sitsemos ro noitarinti roi rejew on al eren!
17.00	cattere	36' E., 17.74 chs. dist., by direct measurement.
	boow e	Thence N. 89° 36' W.
		Along line 2-3 of H. E. S. 469.
	10.00	Arroyo, 15 lks. wide, banks 2 ft. high, course SE.
	17.45	.mislo sint nous largain to anoitabilini on was I A road bears NW. and SE.
	24.70	Arroyo, 15 lks. wide, banks 2 ft. high, course SE.
	28.00	To cor. No. 1, the place of beginning.
		There are no conflicts. E. S. 449 of George A
	Divse to	AREA AREA
		Total Area 158.40 acres
		Grand Canyon, Arlaons, the nearest railroad point
	lirec-	IMPROVEMENTS
		The improvements made upon this claim and belonging to
		the claimant, consist of the following:
		A one-room frame house, 12 x 9 ft., the long side of which
		bears N. and S. and the SW. cor. of which bears N. 83°
		17' E., 5.00 chs. dist. from cor. No. 2.
		Value \$ 75.00
		A mud and stone house, 20 x 15 ft., in bad condition
		I much could be come to the first both could be to the could be come to the could be could be come to the could be

### HOMESTEAD ENTRY SURVEY NO. 511

### TUSAYAN NATIONAL FOREST

### STATE OF ARIZONA

Chains

and not habitable, the SW. cor. of which bears N. 80° 20' E. 4.40 chs. dist. from cor. No. 2.

Value -----\$ 25.00

Approximately 1/4 mile of wire fence in poor condition.

Value ----- \$ 15.00

# x b ins., chiseled + for the New X

ins. in the ground, over which set a sandstone 24 x 12

This claim lies near the center of Shad Park in the

Coconino Basin at an elevation of approximately 7000

ft. The tract is open park with low timber ridge in

the NW. portion and low timber ridges to the E. and W.

The soil is a clay loam of good depth and capable of

producing good crops.

There is no water for irrigation or domestic use.

The timber consists of approximately 10 acres of scattered pinon and cedar along line 2-3, of value for fire wood only.

15 lks. wide, ba

17.45

There is no cultivation.

I saw no indications of mineral upon this claim.

### CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. H. E. S. 449 of George Sheley joins this claim on the North and H. E. S. 469 of David L. Vance on the South.

Grand Canyon, Arizona, the nearest railroad point, post office and market, lies 20 miles in a Westerly direction and is reached by good wagon road.

The improvements made upon this

the claimant, consist of the following:

A one-room frame house, 12 x 9 ft., the long side of which bears N. and S. and the SW. cor. of which bears N. 85°

17' E., 5.00 chs. dist. from cor. Mo. 2.

Value ----- \$ 75.00

A mud and stone house. 20 x 15 ft. in bad condition

## TOTAL TUSAYAN IT NATIONAL FOREST

	STATE OF	ARIZONA
--	----------	---------

Chains						TRAV	ERSE				Cha
	Cor.		Cour	rse		Dist.	N	S	E	W	
'	1-2	N.	39°	581	W.	36.56	28.02			23.48	
	2-3	N.	38°	15'	E.	22.08	17.34		13.67		
	3-4	s.	78°	26'	E.	29.97		6.01	29.36		
	4-5	s.	12°	041	E.	40.42		39.53	8.45		
	5-1	N.	89°	36'	W.	28.00	0.20	45.54	51.48	28.00	-
	Erro	r in	n La	t.a	nd I	ep.	45.54		51.48		
	Clos	ing	Erro	or,	1:78	352					
		TI	E FR					OF SECS			
		Co	urse		Di	ist.	N	S	E	W	
	s.	299	04	· E.	39	9.96	34	4.93 19	.41		
	s.	899	41	· E.	4	5.83		0.25 45	.83		
	s.	26	44	. W.	120	0.54	10	7.66	54	4. 22	
	s.	1	30	' W.		5.06		6.06 8.90 65	. 24 5		
						+1			.86		
		Tie	is	s. 4	° 10	0' 17"	E., 149	.30 chs.	dist.		

Survey completed October 6, 1917.

Surveyor - Draftsman

# HOMESTEAD ENTRY SURVEY NO.

# TERROR MANOUN NATIONAL FOREST

STATE OF TO TTATE

Chains		Lvall				
W S &		Jaiu	estud	5	roo	
23.48	30.88	86.56	•) '88 °6	8 .4	1-8	
13.67	17.84	80.38	. l 'ar 'a	B . N	s-s	
02.83 IO.	.6	re.es	.4 '3:3 '8	9.	2-4	
65.8.65	39,	40.48	2° 04' E.	8. 1	4-5	
28.00 .54 51.48 51.48 .51.48	0.20 45.56 45 45.54	88.00	9° 36' W.	S .K	1-a	
00.	60.	• der	Let. and	ni ro	tra	
Sucs. 7. 8.		TI.OH				
W M	a u	ist.	c ea	TUOU		
19.41	34.95	98.8	041 3. 3	°88 .	a.	
88.85	0.25	88.8	41' E. 4	°e8 .		
54.22	107.66	0.54	44' W. 12	°83 .1		
0.16 65.24 54.38 54.38 10.86	6.06	80.8	30° W.	· 1°		
obs. dist.			s 3. 4° 1			
			2 DO OLYM			

Burveyor - Draftsman

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## TENTUSAYAN TO NATIONAL FOREST

## STATE OF ARIZONA ATS

Chains

Direct Solar At Cor. No. 1.

October 6, 1917.

Lat. 35° 56' 13" N., Long. 111° 47' 12" W.,

Elevation 7,000 ft.

Horizontal Vertical Telescope Time Angle Angle 8h 4lm. 05s 55° 36' 00" 31° 121 00" Direct 8h 4lm 50s 56° 021 00" 30° 47' 00" Reversed 8h 4lm 27s 55° 49' 00" 30° 591 30" Mean 01' 16" Corr. for refr. 30° 581 14"

Decl. 5° 03' 50" S.

Cos. Q. = Sin. 5° 03' 50" - tan. 35° 56' 13" Cos. 35° 56' 13" x cos. 30° 58' 14"

x tan. 30° 58' 14"

log. sin. 5° 03' 50" = 8.9457960

log. cos.35° 56' 13" = 9.9083045

log. cos. 30°58' 14" = 9.9331996

9.1042919 = .12714

log. tan. 35° 51' 13" = 9.8602556

log. tan. 30° 58' 14" = 9.7782681

9.6385237 = .43503

Cos. Q.= .56217

Q = 55° 47' 38"

Diff. in obsn. 0° 01' 22"

# TREMOT JAMOT NATIONAL FOREST

STATE OF A TO STATE

Chains	Direct Solar At Cor. No. 1.	Chains	
•	October 6, 1917		
	Let. 55° 55' 18" K., Long. 111° 47' 12" W.		
	LIEVELION V,000 TT.		
	Horiscope Pine Horiscope verti		
"00 IS.	pircor 8h 41m. Obs pp" 86' 00" 81° 3		
100 17	deversed 8n 41m 50s 55° 02' 00" 50° 4		
708 10	Mean 81 41m 87s 55° 49' 00" 30° 5		
1 1 1 16 II	Our. nor . reco		
n+1 18	30°		
	Deel. p° 03' 50" S.		
a%T196°	Bos. 4. = Sin. 5° 03' 50" - ten. 30		
	7 42 '88 20° E8' Z		
	log. sin. 5° 03' 50" = 8.9457900		
	log. eeg.55° 56' 13" = 9.9083048		
	log. cos. 50°56' 14" = 9.9381996		
	9.1048919 = .12714		
	20g. tan. 55° 51' 18" = 9.8608056		
	log. tan. 80° 68' 14" = 9.7788681		
	<u>80088.</u> = 7680880.9		
	008. e.# .05217		
	u88 1/7 .99 = 0		
	pier in oben. 0° 01' 22"		

Form 85. Sheet No. 3.—Revised Feb., 1915.

Drections.—1. Carry out calculation to two decimals only.

2. In blancing Latitudes and Departures do not obliterate or change the original figures.

3. In the corrected flooting in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. Do not change the footing of the lines.

The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N: and S. areas drop all after second decimal.

3. In calculations of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABI	TABLING AND CALCUL	CALCULATIONS OF H	OF HOMESTEAD ENTRY	NTRY SURVEY	TIG ON	STATE	OF	AKLZOWA		
	Christian	E STAN A TOTA	LATITUDES.	UDES.	DEPARTURES.	URES.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
CORNERS.	BEAKING.	DISTANCE.	North.	Востн.	East.	West.			_	
			7							
1-2	N. 39° 58'W.	36.56	28 08			25 48	23 48			
8-3	1 7 3 8 7	88,08	17 34		13 67		13 67	257 04		
7 2	S 78° 26 E.	66.68			29 36		56 70		340 77	
4-5	18°			39 53	8 45		94 51		3736 93	
5-1	89		80			28 00	74 96	14 99		
		157.03	45 56	45 5A	51 48	51 48		02 606	4077 70	X
			4555		51 45	NY IS			909 70	
									20/ 3168 00	
	Grand market				+				158 40	Acres.
	1									1
		,								
										19
										75

#### APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 17, 1926

The foregoing field notes of Homestead Entry Survey  $\mbox{No.}$ 

511

executed by R.P.A. Johnson, Surveyor. Draftsman [Forest Service Title.] under his special instructions, dated March 10, 1917, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey in the State of Arizona, has been correctly copied from the original notes on file in this office.

FRANK P. TROTT

U. S. Surveyor General.

-2349